## What is claimed is:

member in the material layer; and

1. A manufacturing method for a three-dimensional structural body, comprising:

sequentially bonding/transferring and laminating a plurality of cross-sectional form members, each being held in space above a first substrate by a holding member and corresponding to a slice pattern of a three-dimensional structural body, onto a second substrate.

- 2. The manufacturing method according to claim 1, wherein the bonding/transferring is performed using surface-activated bonding.
- 3. The manufacturing method according to claim 1, wherein the holding member comprises a coupling member connected to the cross-sectional form member, and a frame member provided between the coupling member and the first substrate.
- 4. The manufacturing method according to claim 3, wherein the frame member includes a columnar part provided on the first substrate, and a frame part provided on the columnar part and connected to the coupling member.
  - 5. The manufacturing method according to claim 4, further comprising: laminating a sacrificial layer and a material layer on the first substrate; forming the cross-sectional form members, the frame part and the coupling

removing the sacrificial layer while a portion becoming the columnar part remains, and a gap occurs at least between the cross-sectional form member and the first substrate.

6. The manufacturing method according to claim 5, wherein the cross-sectional form members are formed by using a lithography method.

- 7. The manufacturing method according to claim 5, wherein the sacrificial layer is removed by using an under etching method.
- 8. The manufacturing method according to claim 3, wherein the coupling member is ruptured at a time of the bonding/transferring.
- 9. The manufacturing method according to claim 1, wherein the bonding/transferring is performed by causing the cross-sectional form members to face the second substrate, and by sandwiching the cross-sectional form members between the first substrate and the second substrate.
- 10. The manufacturing method according to claim 3, wherein the bonding/transferring is performed by causing the cross-sectional form members to face the second substrate, and by sandwiching the cross-sectional form members between the first substrate and the second substrate, and

the coupling member is ruptured after the cross-sectional form members are transferred on the second substrate and when the second substrate is separated from the first substrate.

- 11. The manufacturing method according to claim 9, wherein a surface on the first substrate facing the cross-sectional form members is flat.
- 12. The manufacturing method according to claim 10, wherein a surface on the first substrate facing the cross-sectional form members is flat.
- 13. The manufacturing method according to claim 9, wherein a pressure to sandwich the cross-sectional form members between the first substrate and the second substrate is applied to the whole cross-sectional form members.
- 14. The manufacturing method according to claim 10, wherein a pressure to sandwich the cross-sectional form members between the first substrate and the second substrate is applied to the whole cross-sectional form members.

- 15. The manufacturing method according to claim 1, wherein the holding member comprises a first frame member positioned on the first substrate, a second frame member provided inside of the first frame member, a first coupling member connected to the cross-sectional form member, and a second coupling member connecting the first and the second frame members.
- 16. The manufacturing method according to claim 15, wherein the second frame member and the plurality of cross-sectional form members connected to the second frame member are simultaneously bonded and transferred onto the second substrate.
- 17. The manufacturing method according to claim 16, wherein the bonding/transferring is performed by causing the plurality of cross-sectional form members and the second substrate to face each other, and by sandwiching the second frame member and the plurality of cross-sectional form members between the first substrate and the second substrate.
- 18. The manufacturing method according to claim 1, wherein the three-dimensional structural body includes a photonic crystal having a periodic structure.